

=> b reg

FILE 'REGISTRY' ENTERED AT 15:33:54 ON 15 DEC 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 DEC 2004 HIGHEST RN 797749-23-6

DICTIONARY FILE UPDATES: 14 DEC 2004 HIGHEST RN 797749-23-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d que 118

L16 STR

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O~~X~~C~~X~~C~~X~~O~~X~~P~~X~~O  
@91 92 93 94 95 96

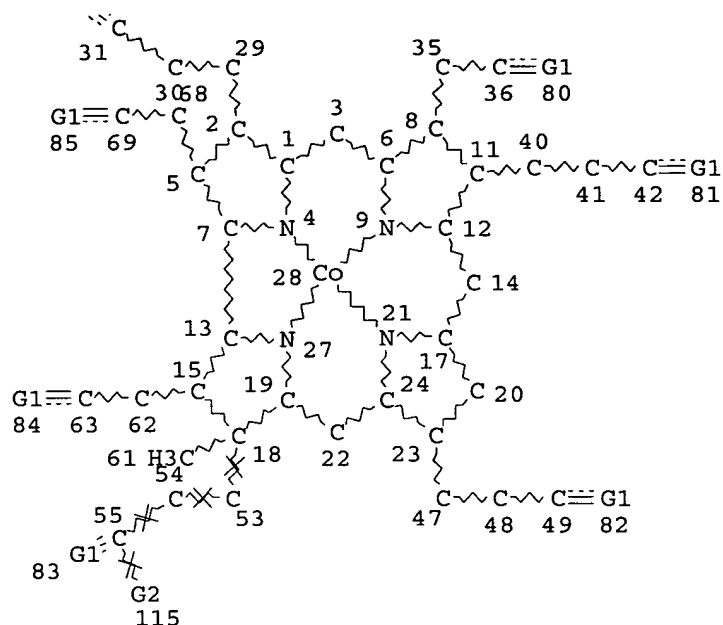
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@103 104 105 106 107 108

C~~X~~C~~X~~C~~X~~O~~X~~P~~X~~O  
@109 110 111 112 113 114

79

G1



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VAR G1=O/S/N

VAR G2=86/91/97/103/109

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 80

STEREO ATTRIBUTES: NONE

L18 1679 SEA FILE=REGISTRY SSS FUL L16

=> d ide l18 1-20

L18 ANSWER 1 OF 1679 REGISTRY COPYRIGHT 2004 ACS on STN

RN 796025-66-6 REGISTRY

CN INDEX NAME NOT YET ASSIGNED

MF C59 H83 Co N17 O18 P2

CI CCS, COM

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

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RN 796021-64-2 REGISTRY

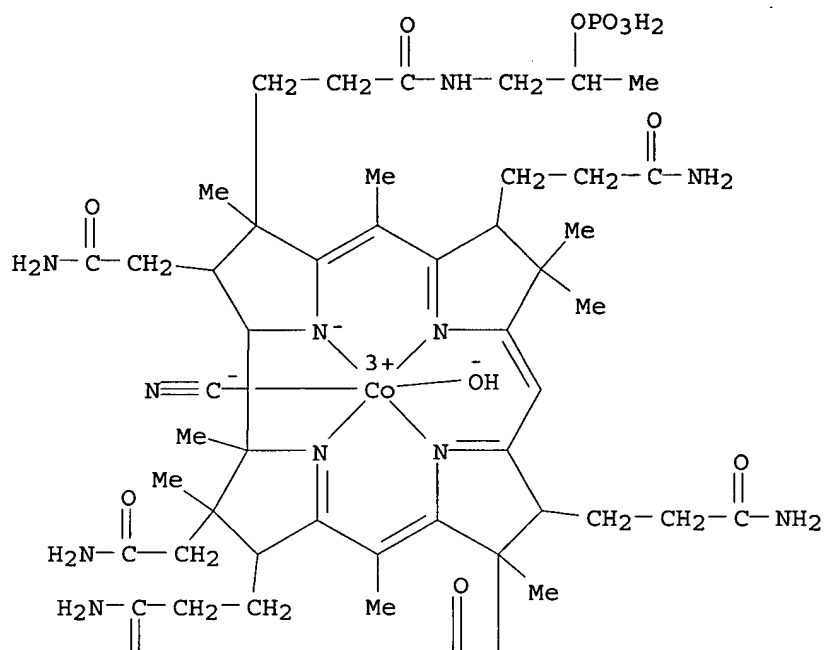
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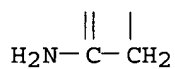
CI CCS, COM

SR CA

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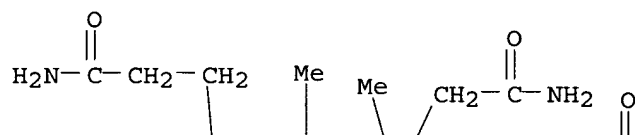


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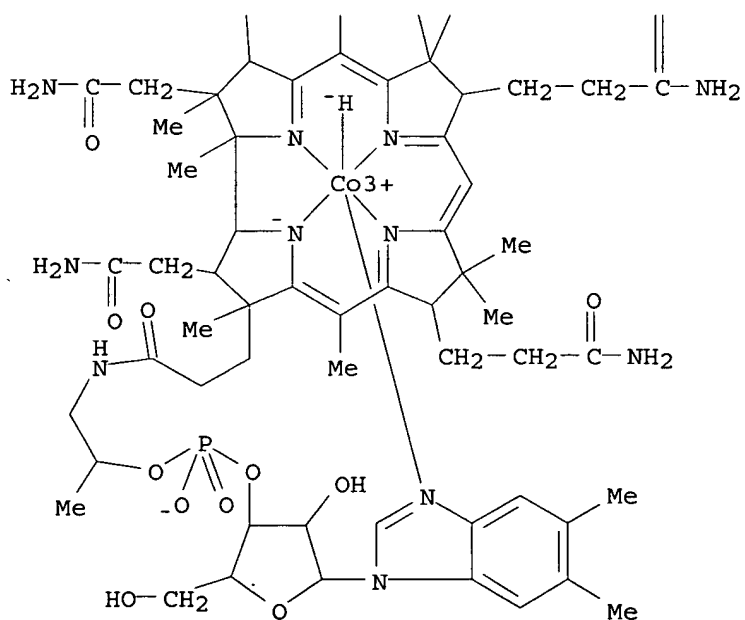


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 RN 796009-46-6 REGISTRY  
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 CI CCS, COM  
 SR CA

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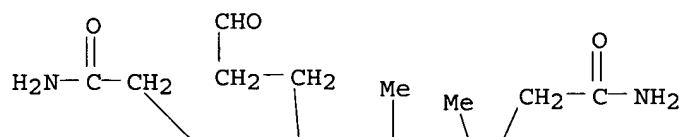


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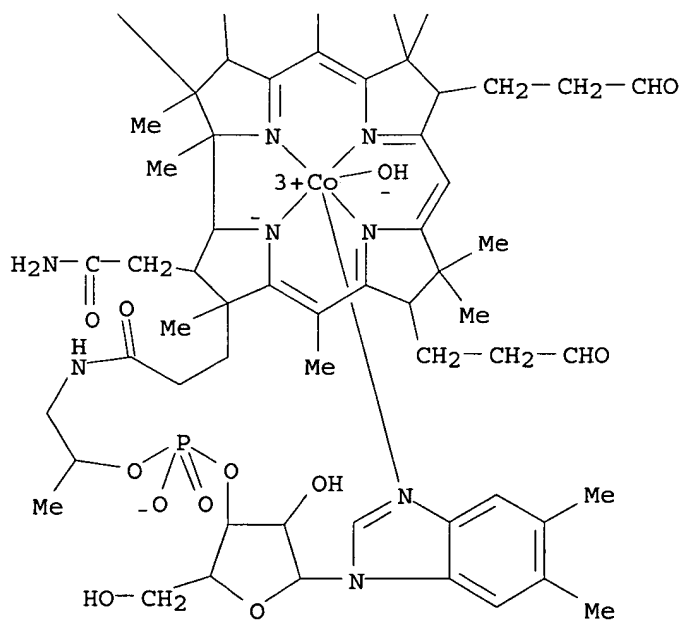
Searched by P. Ruppel

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CI CCS, IDS, COM  
SR CA

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Searched by P. Ruppel

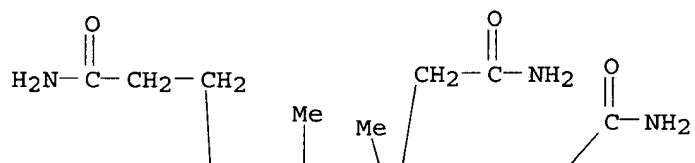
PAGE 3-A

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2 ( D1-OH )

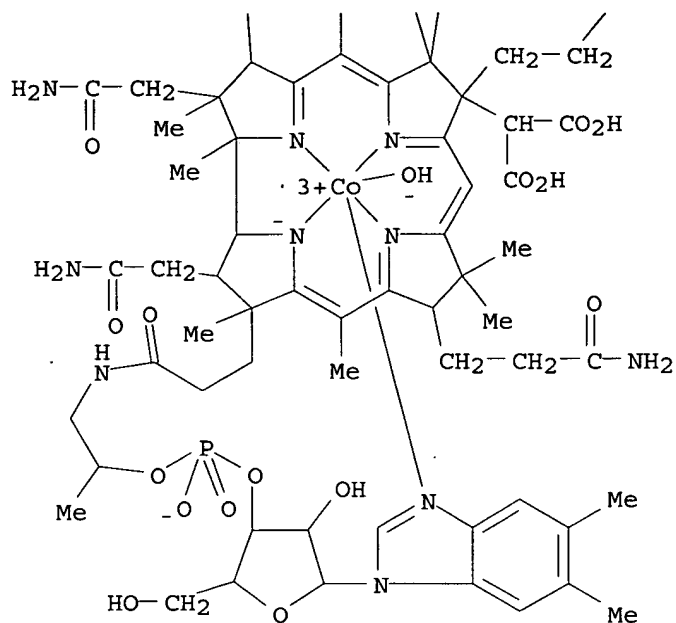
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SR CA

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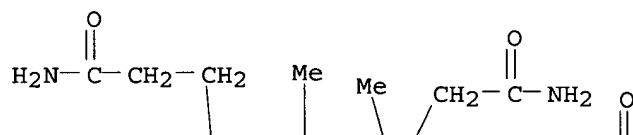
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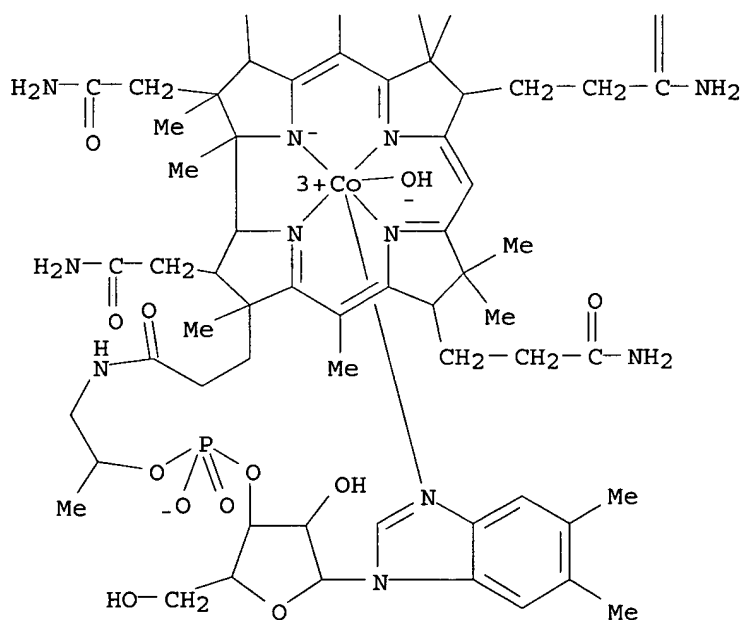


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SR CA

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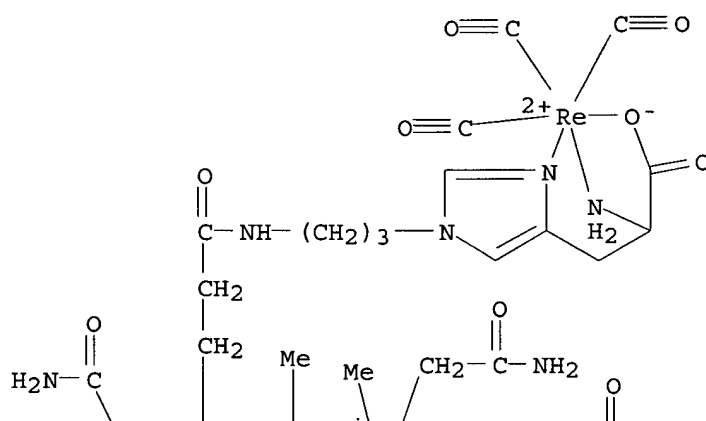
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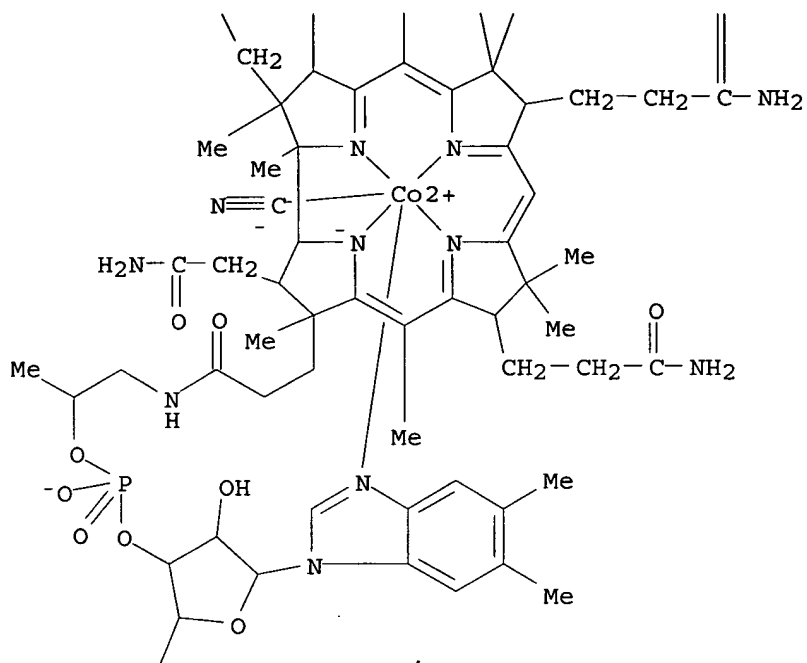


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LC STN Files: CA, CAPLUS  
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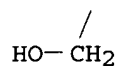
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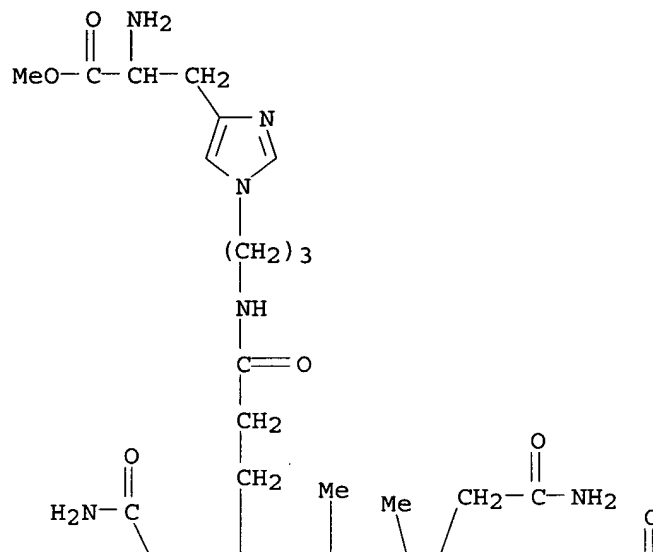
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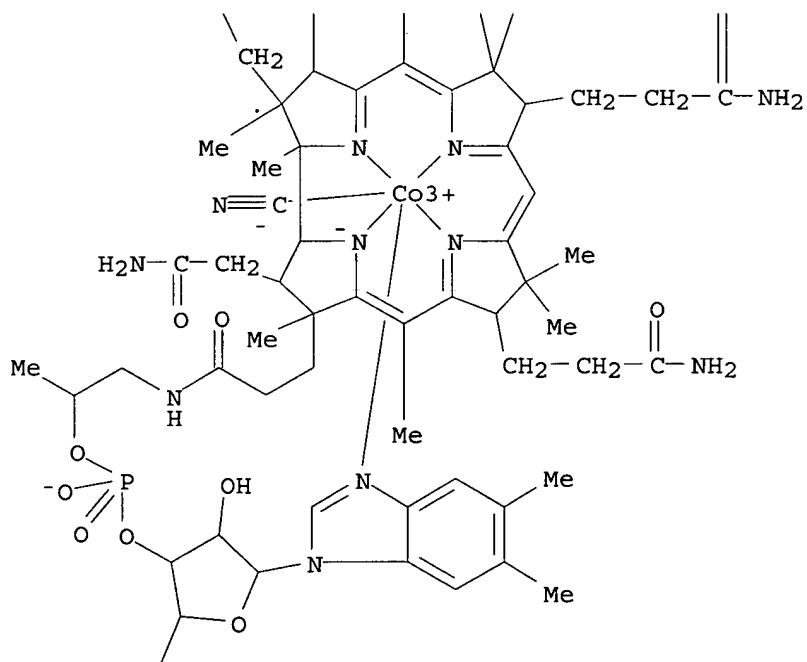
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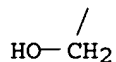


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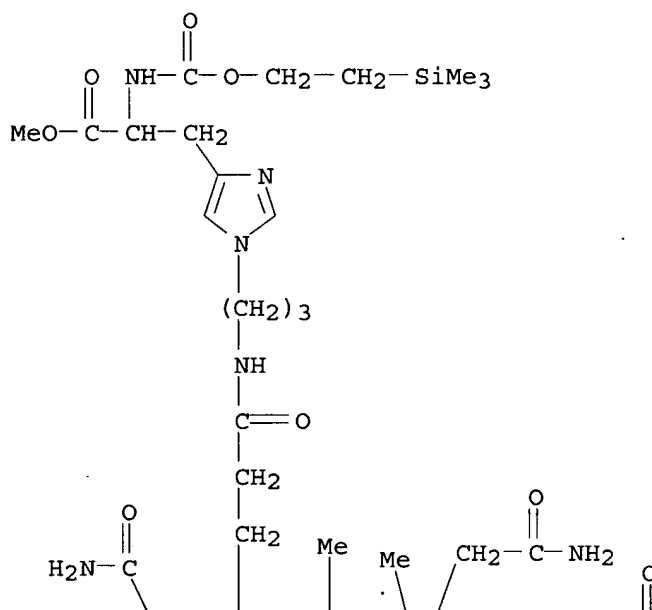
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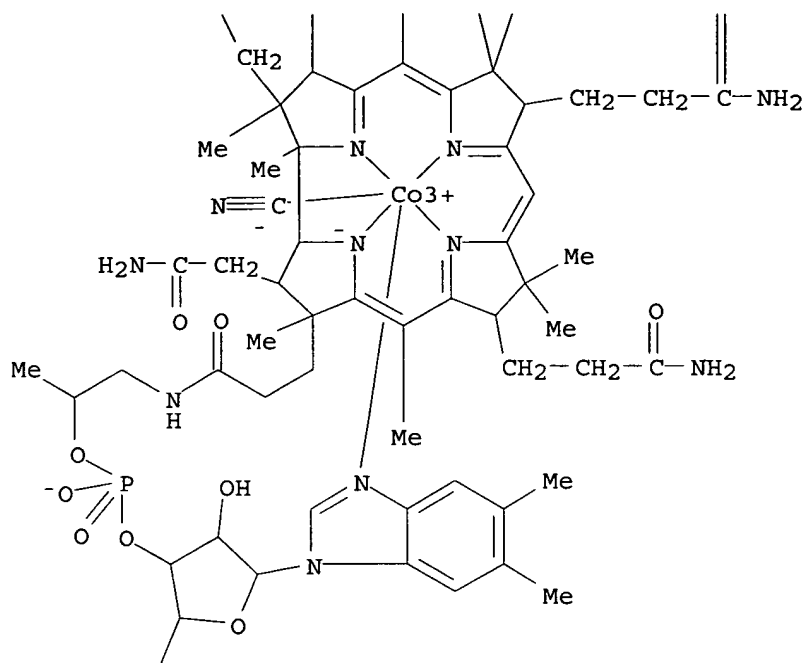
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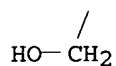


Searched by P. Ruppel

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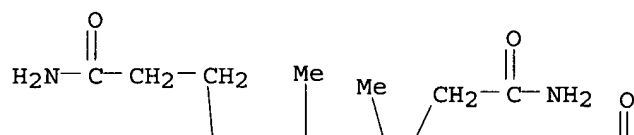
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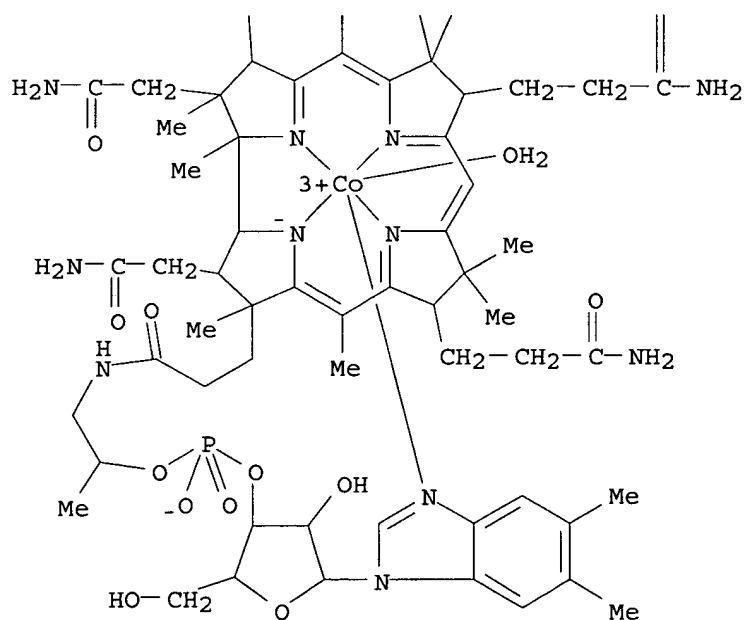
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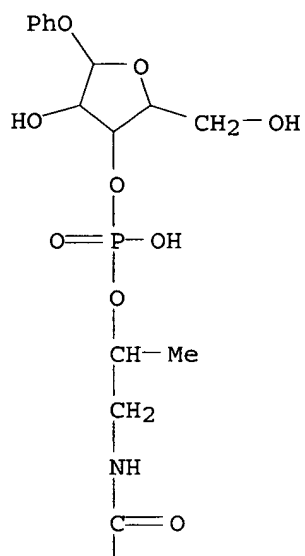


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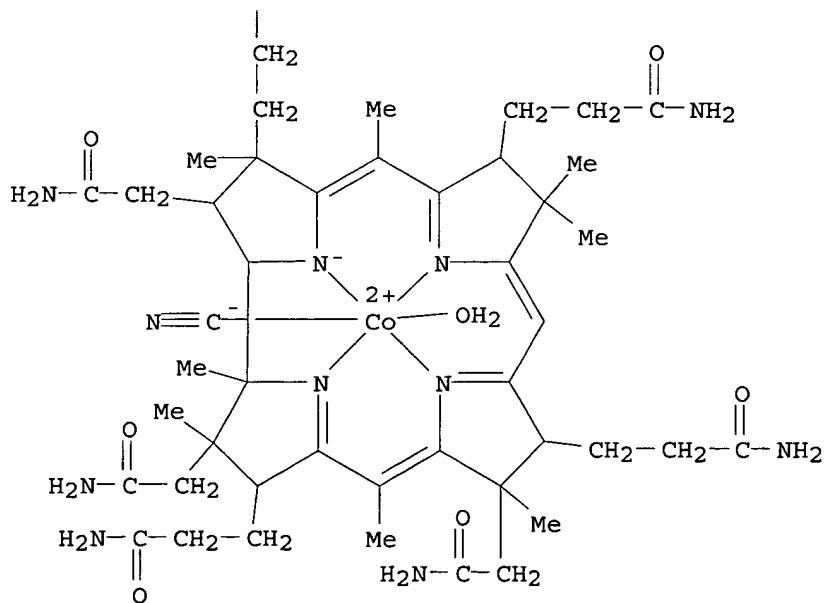
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SR CA

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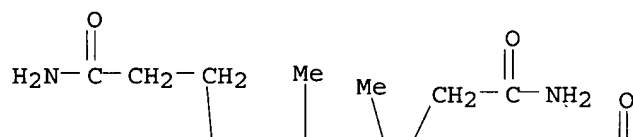
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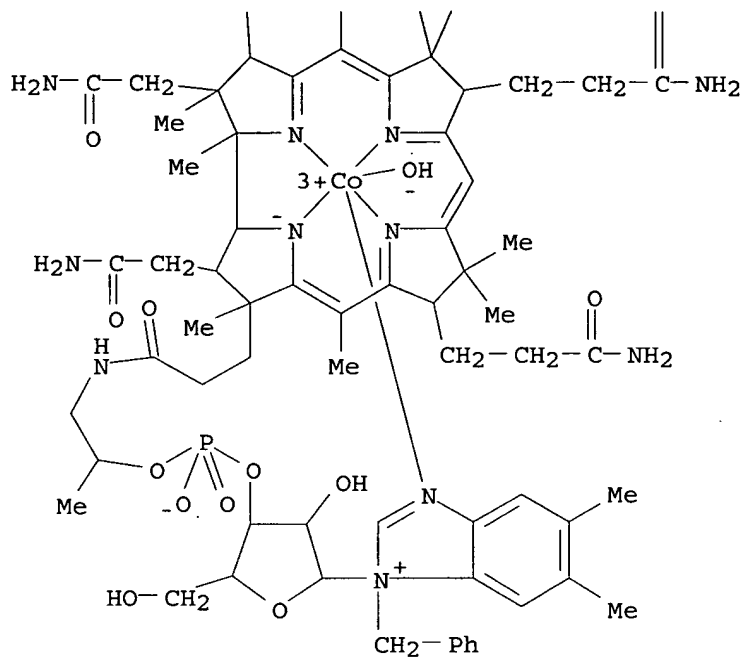
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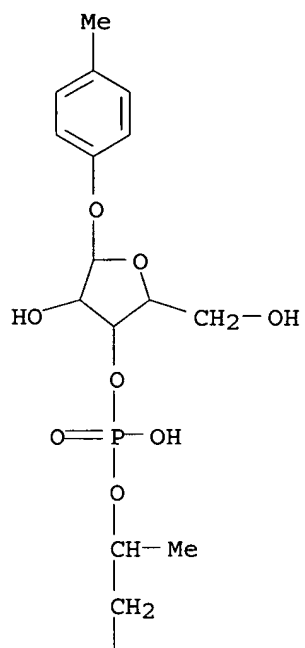


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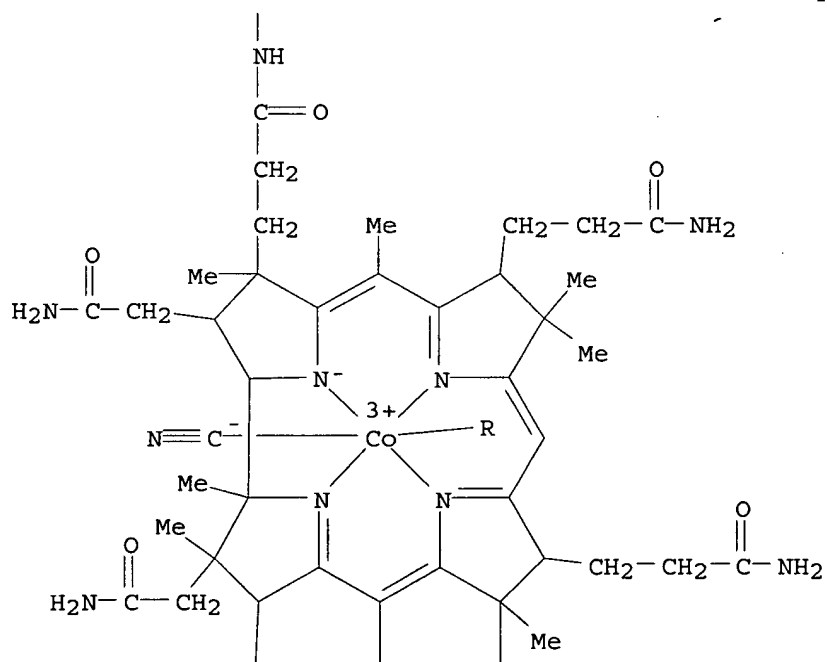


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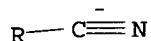
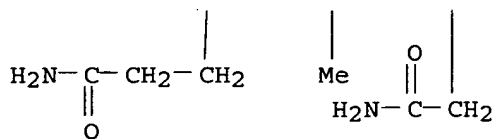


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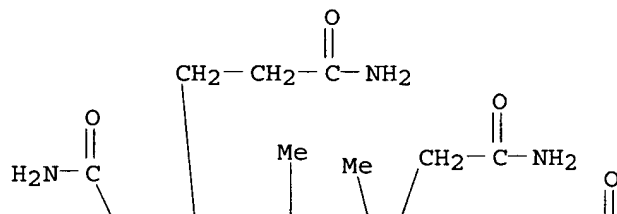
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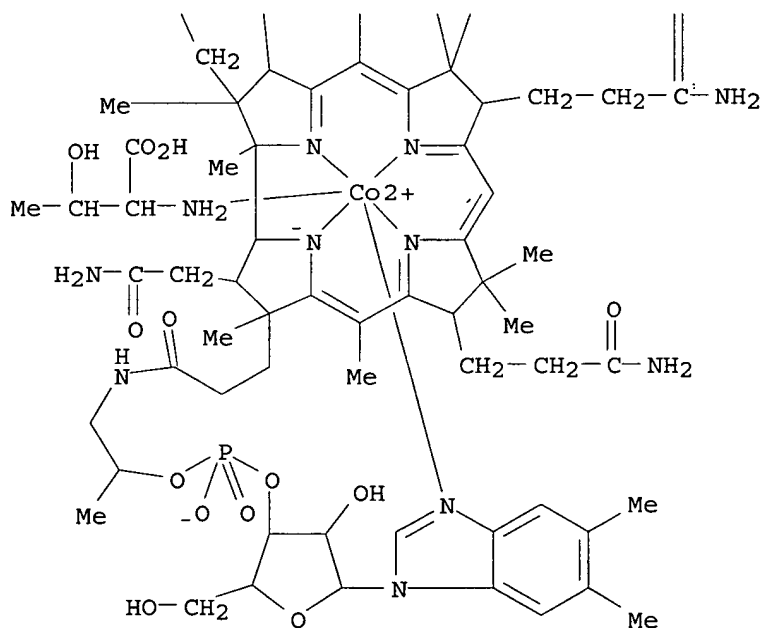
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CI CCS, COM  
SR CA

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CN INDEX NAME NOT YET ASSIGNED

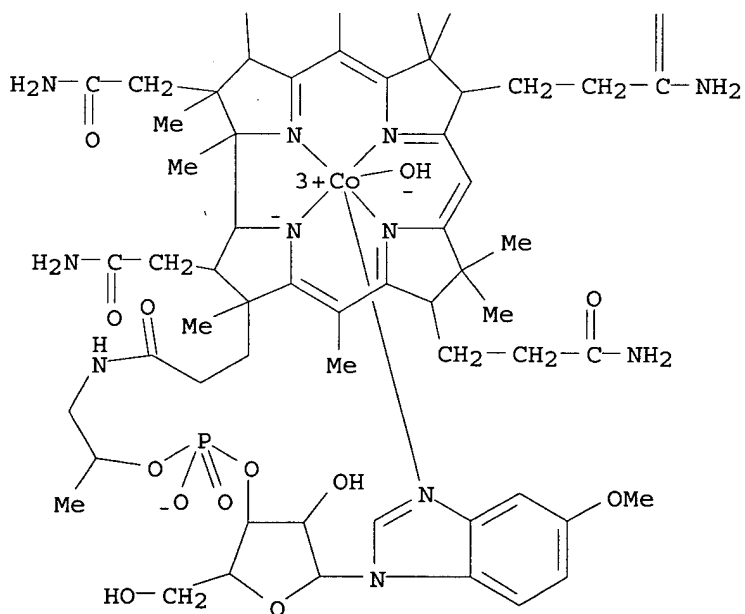
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CI CCS, COM  
SR CA

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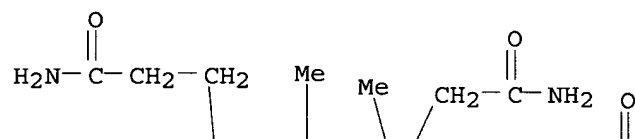
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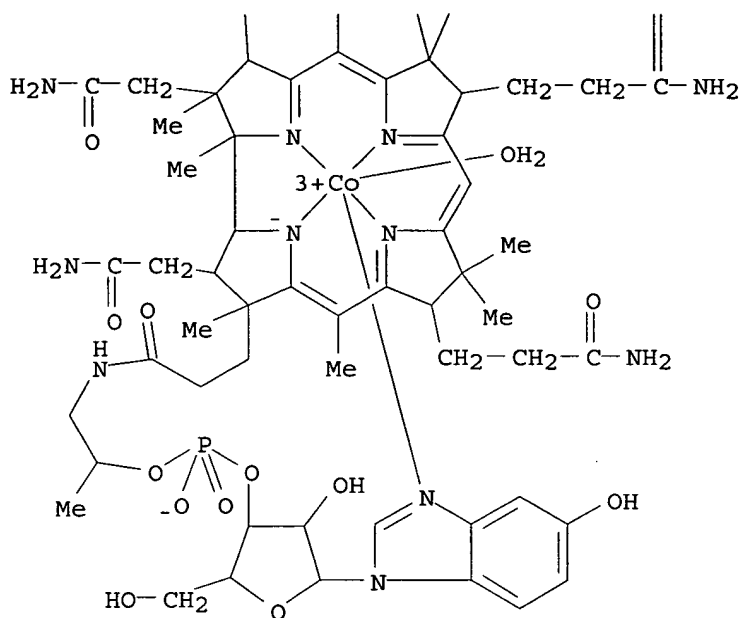
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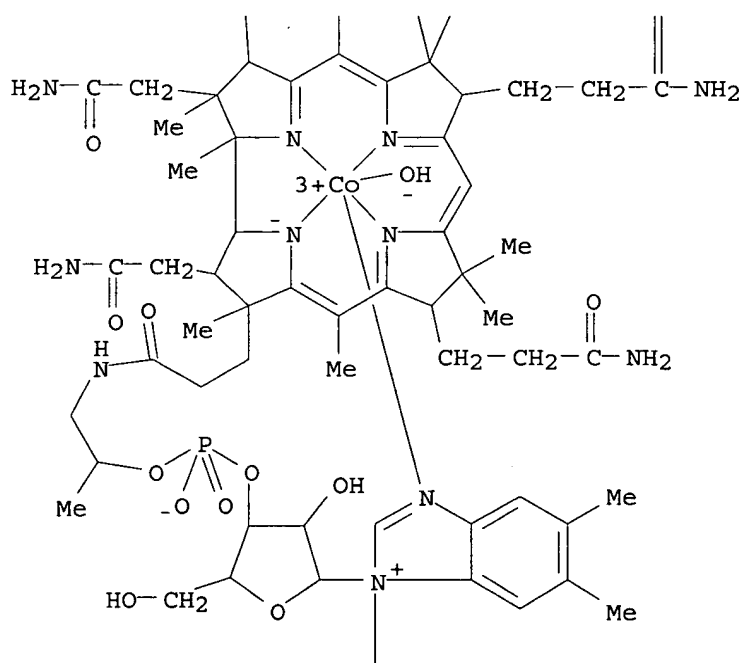


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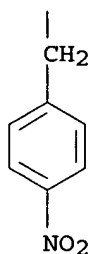
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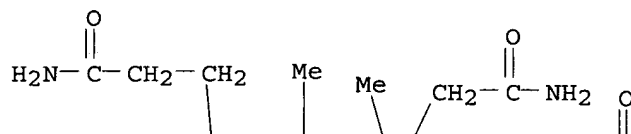


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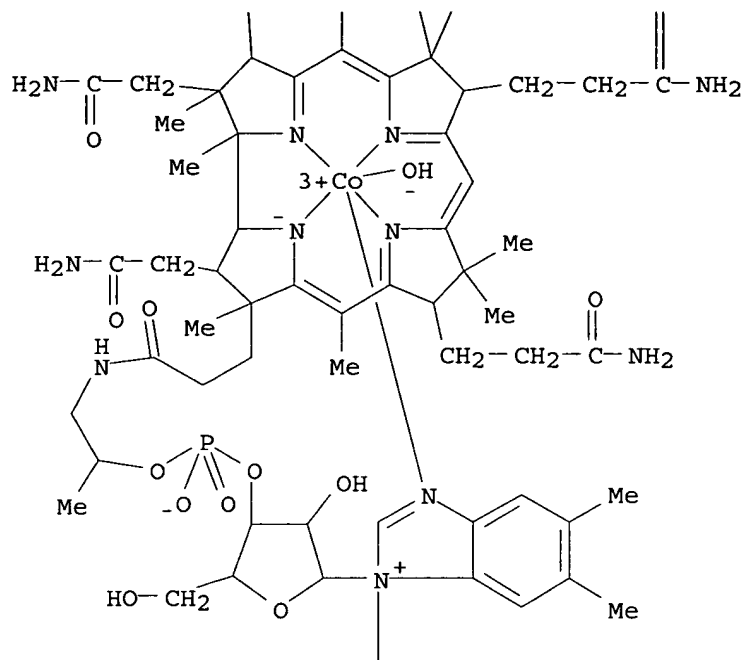


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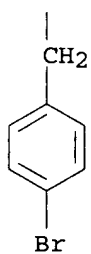
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=> b hcaplus

FILE 'HCAPLUS' ENTERED AT 15:14:55 ON 15 DEC 2004

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FILE COVERS 1907 - 15 Dec 2004 VOL 141 ISS 25

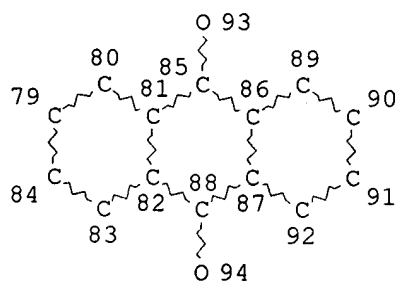
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This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

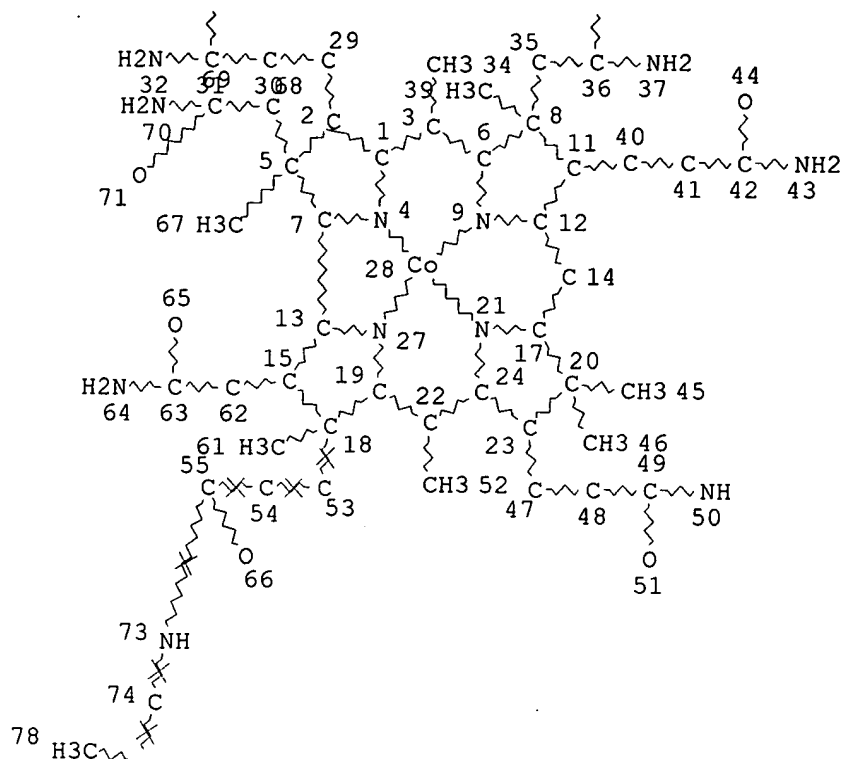
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L11 STR

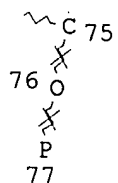


72  
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38  
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 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 84

STEREO ATTRIBUTES: NONE

L13 1 SEA FILE=REGISTRY SSS FUL L11  
 L14 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L13

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L14 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2004:203371 HCAPLUS  
 DOCUMENT NUMBER: 140:241008  
 TITLE: Drug delivery and targeting with vitamin B12  
 conjugates  
 INVENTOR(S): Wilson, Stephen; Reinhard, Kathryn S.; Gao, Xiang  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 22 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004047917	A1	20040311	US 2002-235857	20020906
PRIORITY APPLN. INFO.:			US 2002-235857	20020906

AB Vitamin B12 can be conjugated to anti-cancer drugs to deliver these drugs selectively to tumors, wherein the conjugates bind to transcobalamin. The complex of vitamin B12 and transcobalamin is recognized and taken into cells by specific cell surface receptors which are overexpressed in rapidly dividing cells. Vitamin B12-taxol conjugate was prepared and its cytotoxicity against HL/60 polymyelocytic leukemia was tested.

IT **666823-83-2P**  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug delivery and targeting with vitamin B12 conjugates)

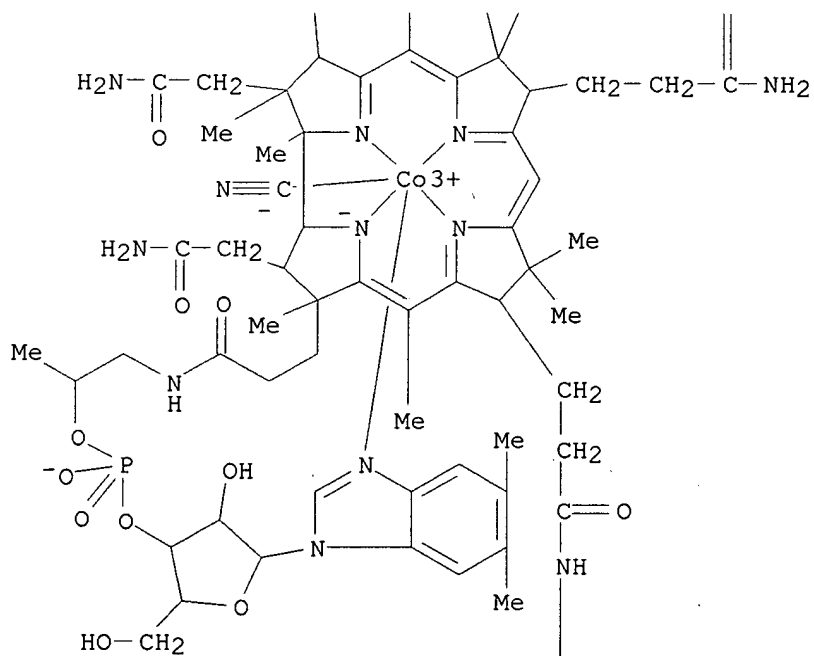
RN 666823-83-2 HCAPLUS

CN Cobinamide, Co-(cyano-κC)-Ne-[19-[[1-[[[(1S,3S)-1,2,3,4,6,11-hexahydro-3,5,12-trihydroxy-3-(hydroxyacetyl)-10-methoxy-6,11-dioxo-1-naphthacenyl]oxy]-2,3,6-trideoxy-α-L-lyxo-hexopyranos-3-yl]amino]-15,19-dioxo-4,7,10,17-tetraoxa-14-azanonadec-1-yl]-, f-(dihydrogen phosphate), inner salt, 3'-ester with (5,6-dimethyl-1-α-D-ribofuranosyl-1H-benzimidazole-κN3) (9CI) (CA INDEX NAME)

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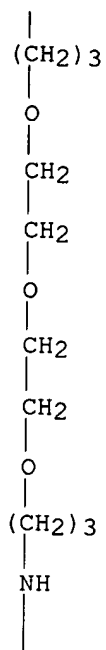


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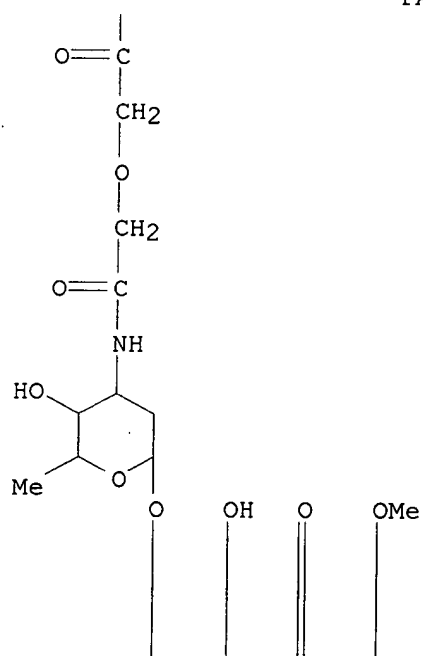


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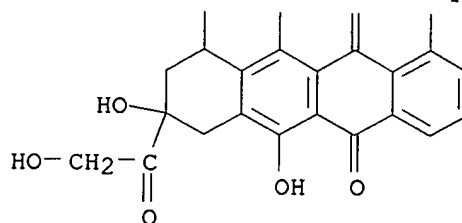
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